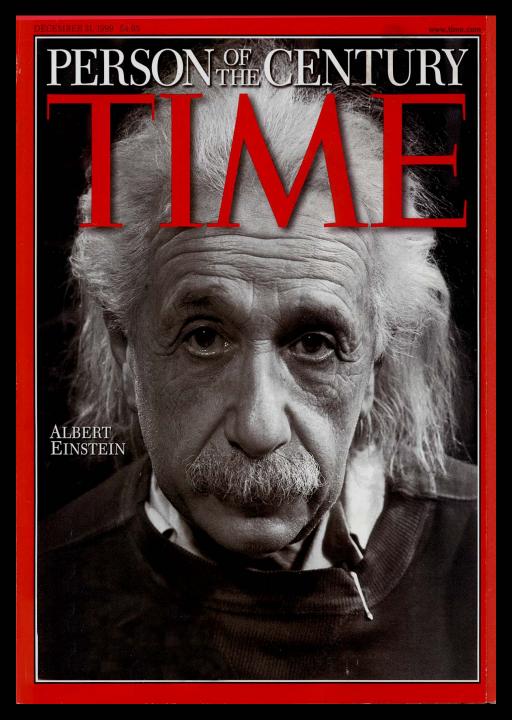
ubble Ultra-deep file

Rocky Kolb The University of Chicago Spring 2004

### **Britney-Free Class**

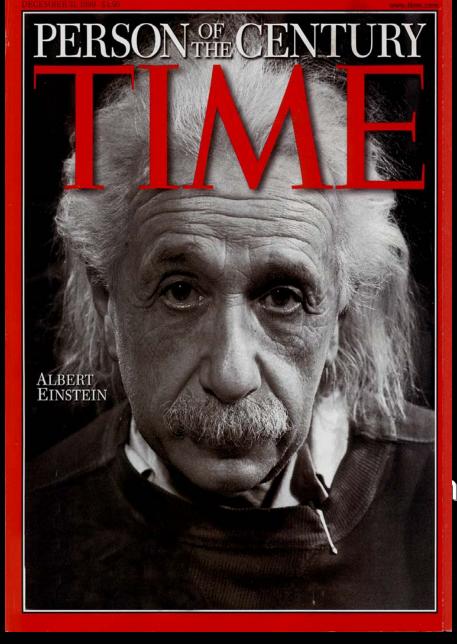




THE AUTHORIZED COMPANION TO THE PUBLIC TELEVISION SERIES Stephen Hawking's Universe THE COSMOS EXPLAINED DAVID FILKIN FOREWORD. BY STEPHEN HAWKING

## It's your universe too!





Einstein, ca. 1912

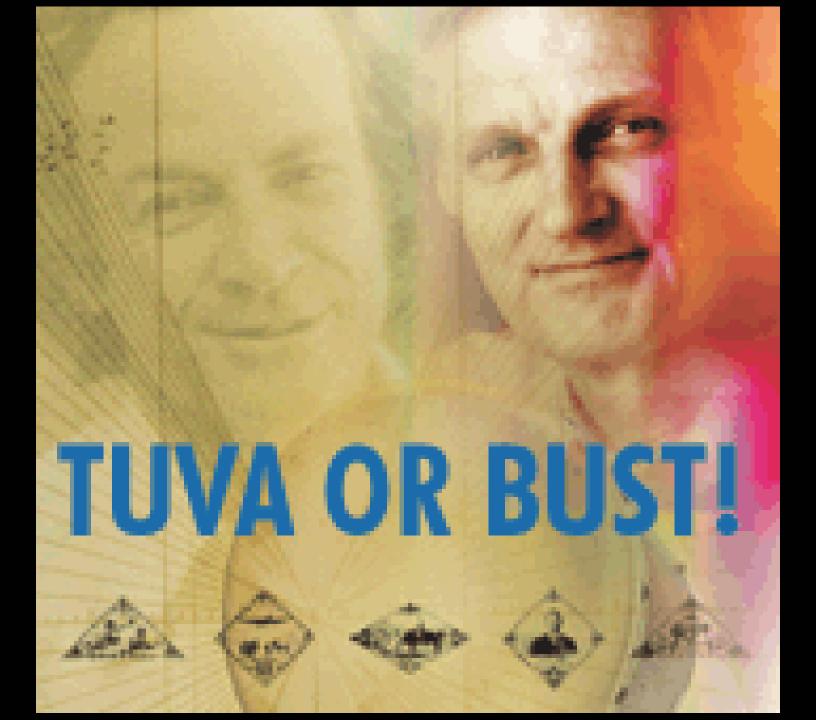
Einstein, ca. 1952



"When the Special Theory of Relativity began to germinate in me, I was visited by all sorts of nervous conflicts... I used to go away for weeks in a state of confusion."

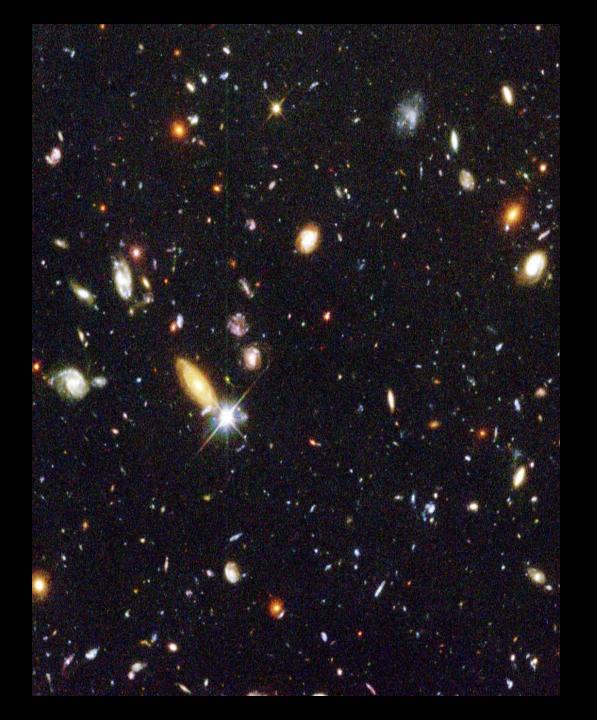
"A storm broke loose in my mind."

Einstein, ca. 1905



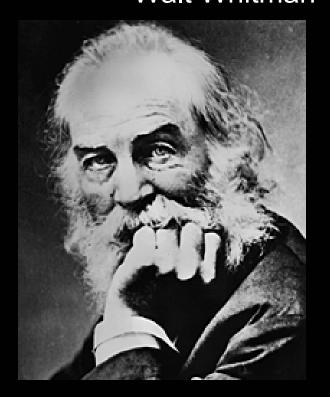
## YORK TIMES BESTSELLER "SURELY YOU'RE JOKING, MR. FEYNMAN!" Adventures of a Curious Character "Quintessential Feynman-funny, brilliant, bawdy."-The New Yorker

RICHARD P. FEYNMAN



"To me every hour of the light and dark is a miracle. Every cubic inch of space is a miracle."

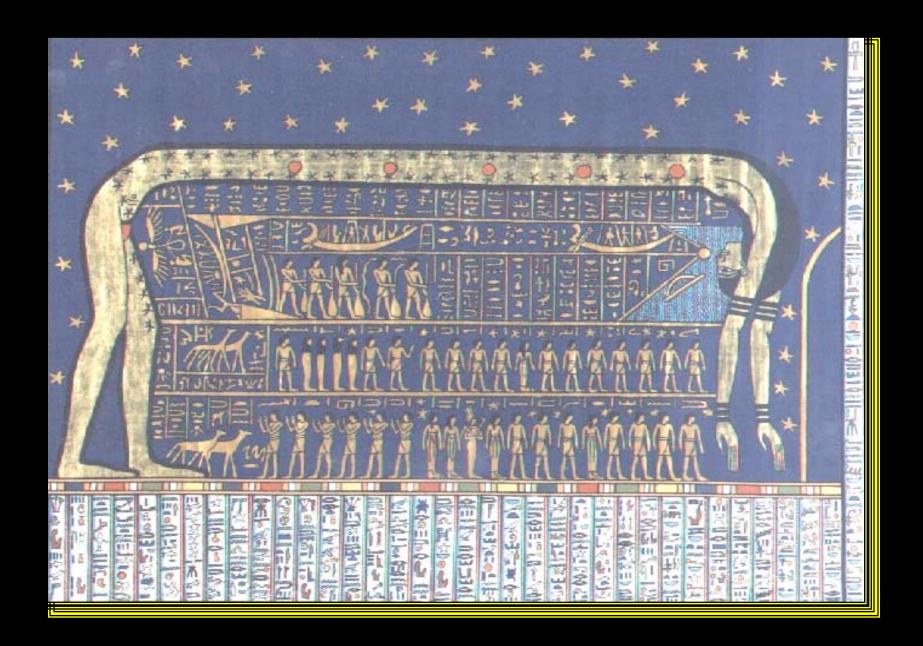
- Walt Whitman



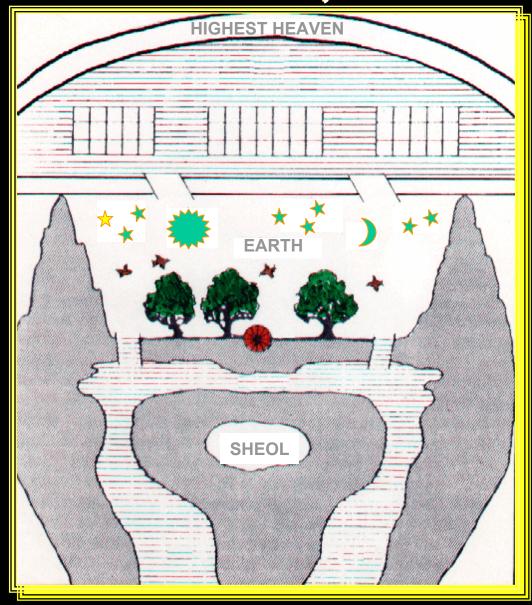
# cosmology cosmetology

cosmos (κόσμος)

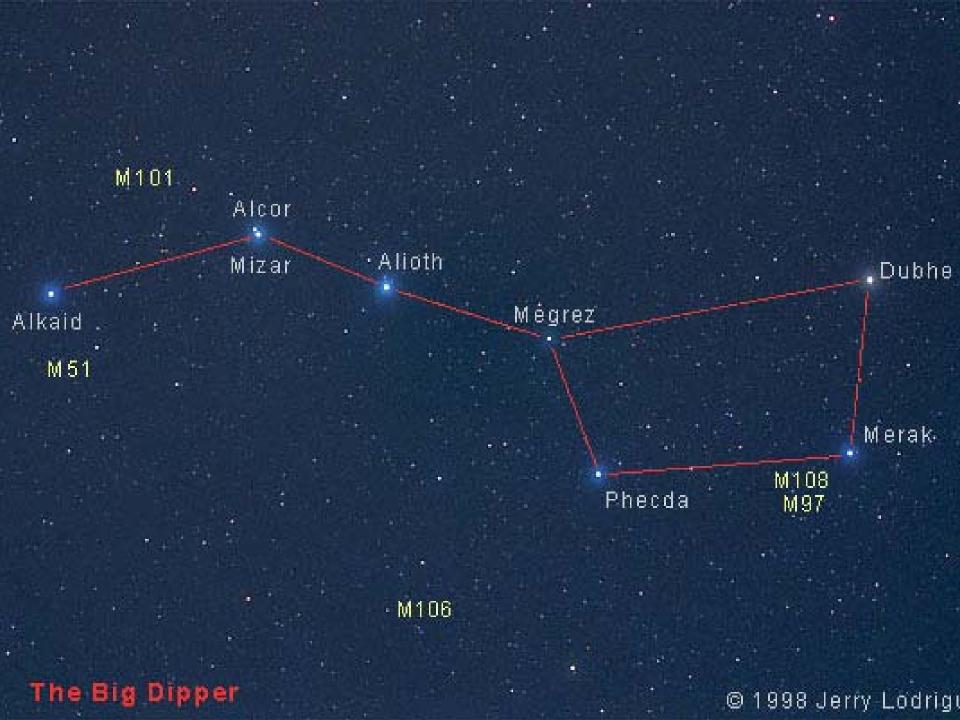
#### A view of the universe, circa 2004 B.C.

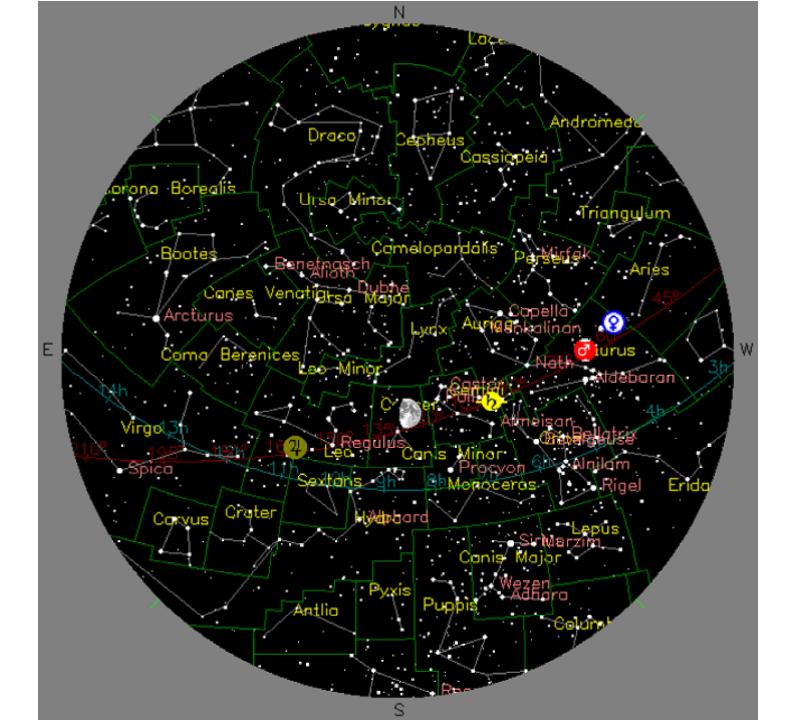


#### A view of the universe, circa 1004 A.D.\*



<sup>\*</sup>and circa 2004 A.D. in parts of Kansas



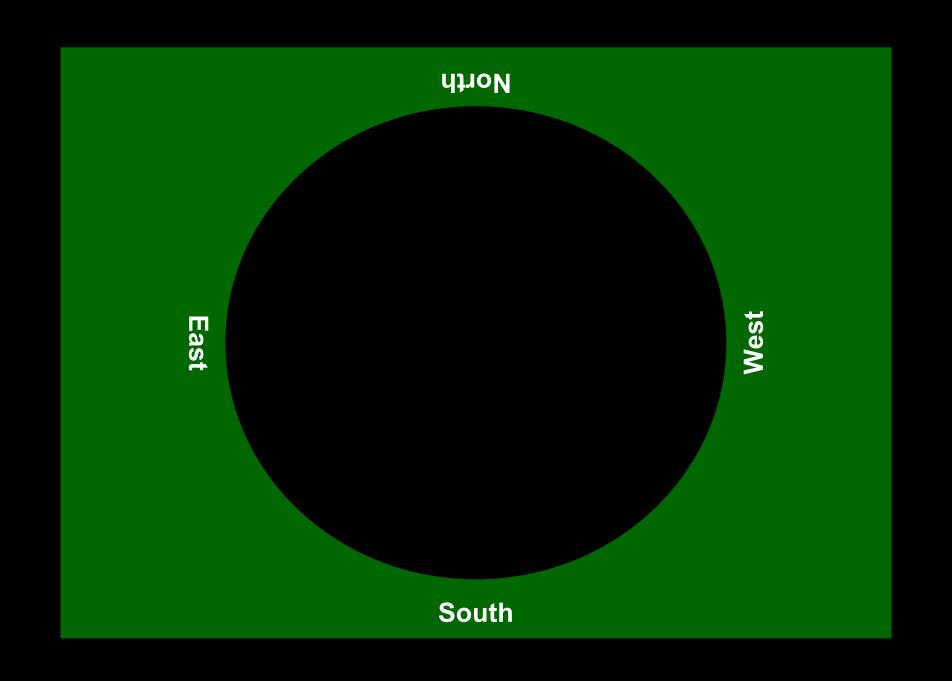


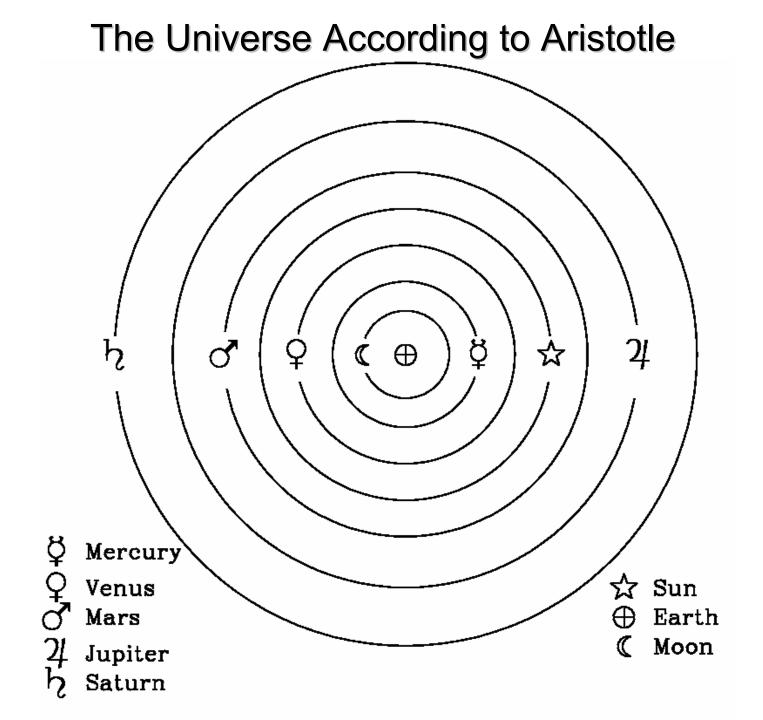
March 30, 2004 8:00pm CST

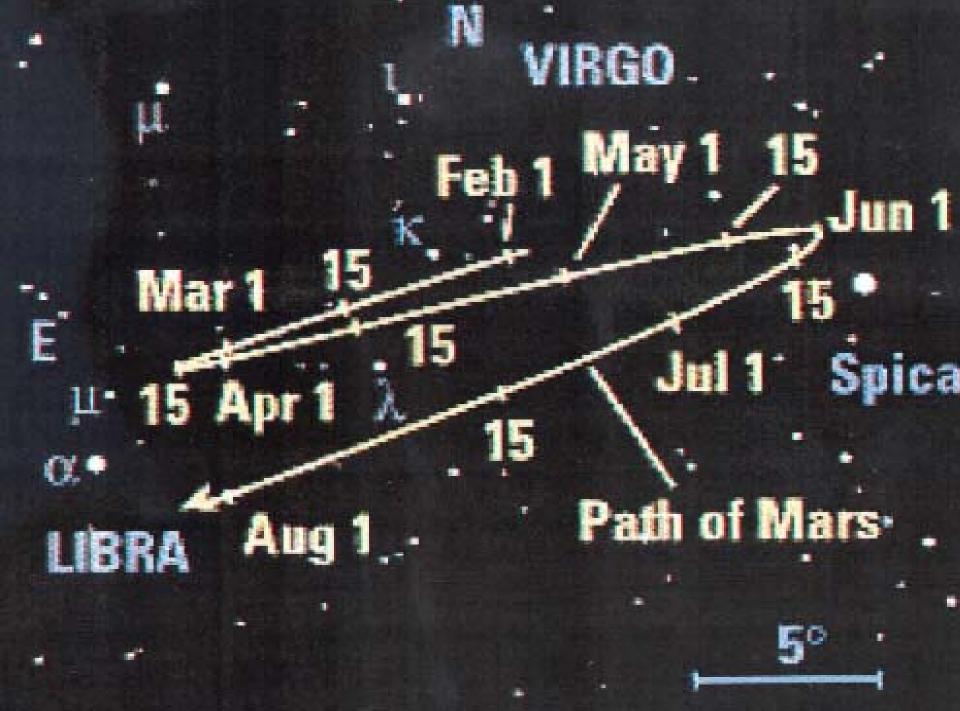
#### Lacerta. Perseus Cassiopeia Mirfak Уранар Cepheus Capella cula Auriga Menkalinan Camelopardalis Drage jitta 🖘 Vega . Gemini Urse Major Herculés Corona Borealismes Venaticies Minor Cancer Canis Minor/Procye Bootes Como Berenices LBggulus C Serpens Ophiuchus Cauca Sextons. B HAMBRAID Crater Spica Coryus Antares Antlia Centaurus

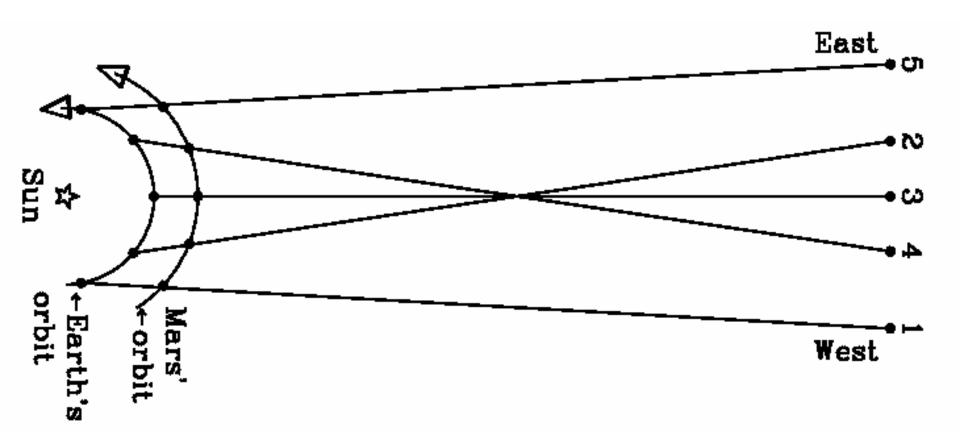
June

1, 2004 8:00pm CST

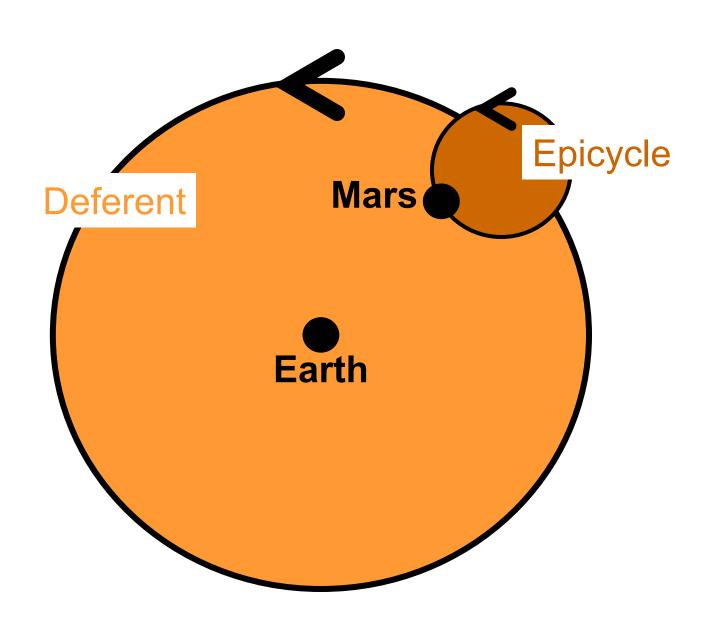








#### The Ptolemaic Epicycle



#### The Ptolemaic Epicycle

